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COVER: Nature in Japan. Witch-hazel (Hamamelis japonica) in Jindai Botanical Gardens. Courtesy of Dr. A. Takahashi.

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 Tanahashi, H. and Ito, T. (1994) Molecular characterization of a novel factor recognizing the interleukin-6 responsive element. J. Biochem. (in press)

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Figure legends and brief titles should be prepared for each figure. The figure legends should be provided after the reference list, with sufficient experimental detail to make the figure intelligible without reference to the text (unless the same material has been given with a previous figure, or in the Experimental Procedures section). The title should be provided along with the respective figure legend in bold script.

7. Nucleotide Sequence

New nucleotide data must be submitted and deposited in the DDBJ/ EMBL/GenBank databases and an accession number obtained before the paper can be accepted for publication. Submission to any one of the three collaborating databanks is sufficient to ensure data entry in all. The accession number should be included in the manuscript *e.g.*, as a footnote on the title page: "Note: Nucleotide sequence data reported are available in the DDBJ/EMBL/GenBank data-bases under the accession number(s)...". If requested, the database will withhold release of data until publication. The most convenient method for submitting sequence data is by World Wide Web:

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or stand-alone submission tool

Sequin: http://www.ncbi.nlm.nih.gov/Sequin/

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Database Contact Information

- DDBJ: Center for Information Biology and DNA Data Bank of Japan National Institute of Genetics, 1111 Yata, Mishima, Shizuoka 411-8540, JAPAN; telephone: +81 559 81 6853; fax: +81 559 81 6849; e-mail: ddbj@ddbj.nig.ac.jp; web URL: http://www.ddbj.nig.ac.jp/
- EMBL: EMBL Nucleotide Sequence Submissions, European Bioinformatics Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge DB10 1SD U.K.; telephone: +44 1223 494499; fax: +44 1223 494472; e-mail: datasubs@ebi.ac.uk; web URL: http:// www.ebi.ac.uk
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- 3. Indicate units of measure clearly.
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5. Spectrophotometric Data-Beer's law may be stated as

 $A = -\log T = \varepsilon lc$

Where A is the absorbance; T, the transmittance $(-I/I_0)$; ε , the molar absorption coefficient; c, the concentration of the absorbing substances in moles per liter; and l, the length of the optical path in centimeters. Under these conditions ε has the dimensions liter \cdot mol⁻¹ \cdot cm⁻¹ or more briefly $M^{-1} \cdot cm^{-1}$ (not cm⁻ \cdot mol⁻¹). Do not use "O.D." and "E."

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 - see also Eur. J. Biochem. 213, 1-3 (1993).
 - -Supplement Eur. J. Biochem. 223, 1-5 (1994).
 - -Supplement 2 Eur. J. Biochem. 232, 1-6 (1995).
 - -Supplement 3 Eur. J. Biochem. 237, 1-5 (1996).

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- Abbreviations of Units of Measurement and Physical and Chemical Quantities—These abbreviations listed in Table I may be used without definition.

TABLE I

(1)	Prefixes to the names of units	
	tera 10^{12} T	milli 10^{-3} m
	giga 10 ⁹ G	micro 10^{-6} µ
	mega 10^6 M	nano 10 ⁻⁹ n
	kilo 0^3 k	pico 10^{-12} p
	Deci 10^{-1} deci (not d)	femto 10^{-15} f
	centi 10^{-2} c ¹⁾	atto 10^{-18} a
(2)	Units of Concentration ²⁾	
	molar (moles/liter)	М
	millimolar (millimoles/liter)	mM (not 10^{-3} M)
	micromolar (micromoles/liter)	μM (or 10 ⁻⁶ M)
	nanomolar (nanomoles/liter)	nM (or $\times 10^{-9}$ M)
	picomolar (picomoles/liter)	pM (or $\times 10^{-12}$ M)
(3)	Units of Length	
	meter	m
	centimeter	cm
	millimeter	mm
	micrometer (not micron)	μm (not μ)
	nanometer	nm (not μ)
	Ångstrom (0.1 nm)	Å

(4) Units of Area and Volume square centimeter cm² cubic centimeter cm² liter 1 (in tables only) milliliter mĺ microliter μ l (not λ) (5) Units of Mass gram g (kg, mg, μ g [not γ], ng, pg) dalton³⁾ Da (6) Units of Time hour h year yr minute month min mo second week wk S day d (7) Units of Radioactivity becquerel Bq (= 1 dps or 60 dpm) counts per minute cpm Ci (= 3.7×10^{10} Bq) curie(s) disintegrations per minute dpm (8) Other Units mol (mmol, µmol, nmol, pmol) mole degree Celsius $^{\circ}C$ degree absolute (kelvin) Κ joule J kilojoule kJ calorie cal kilocalorie kcal parts per billion ppb parts per million ppm cycles per second (hertz) Hz (not cps) equivalent eq ampere A (mA) Ω ohm volt V G gauss pascal Pa revolutions per minute rpm Svedberg unit of sedimentation S coefficient $(10^{-13} s)$ (9) Physical and Chemical Quantities absorbance A equilibrium constant K rate constant k maximum velocity $V_{\rm max}$ Michaelis constant $K_{\rm m}$ equilibrium dissociation constant $K_{\rm d}$ isoelectric point рI molecular weight³⁾ $M_{\rm r}$ retardation factor R_f acceleration of gravity g specific rotation $[\alpha]^{t}_{\lambda}$ partial specific volume $\bar{\nu}$ diffusion constant D sedimentation coefficient S density ρ $s_{20,w}^{0}$ sedimentation coefficient in water at 20°C, extraporated to zero concentration Gibbs energy change ΔG entropy change ΔS enthalpy change ΔH melting temperature $T_{\rm m}$ (10) Other Terms logarithm log logarithm (natural) ln standard deviation of a series SD standard error of mean of series SE

¹⁾ To be avoided where possible (except for cm).

 $^{2)}$ Terms such as milligram percent (mg%) should not be used. Weight concentrations should be given as g/ml, g/100 ml, *etc*.

³⁾Molecular weight is dimensionless. Only molecular mass is expressed by daltons.

 Accepted Abbreviations and Symbols—Authors may use, without definition, the abbreviations given in Table II and the symbols and abbreviations for amino acid or nucleotide residues in polymers or sequences. Define other abbreviations in a single footnote on the title page.

TABLE II

TABLE II	
(1) General	
Adenosine 3':5'-cyclic monophosphate	cAMP
Adenosine 5'-mono-, di, and triphosphates ¹⁾	AMP, ADP, and AT
Adenosine triphosphatase	ATPase
Base pair(s)	bp
Bovine serum albumin	BSA
O-(Carboxymethyl)	CM-
Circular dichroism	CD
Coenzyme A and its acyl derivatives	CoA (or CoASH) and acyl-CoA
Complementary DNA	cDNA
Cyclic AMP	cAMP
Cyclic GMP Cytidine diphosphate choline, <i>etc</i> .	cGMP CDR shaling_sta
Cytidine 5'-mono-, di-, and triphosphates	CDP-choline, <i>etc</i> . CMP, CDP, and CTI
Deoxyribonuclease	DNase
Deoxyribonucleic acid	DNA
<i>O</i> -(Diethylaminoethyl)	DEAE-
Dithiothreitol	DTT
Electron paramagnetic resonance	EPR
Electron spin resonance	ESR
Ethylenediaminetetraacetic acid	EDTA
[Ethylenebis(oxyethlenenitrilo)]-tetraacetic acid	EGTA
Flavin-adenine dinucleotide and its fully reduced form	FAD and $FADH_2$
Flavin mononucleotide and its fully reduced form	FMN and FMNH ₂
Fourier transform	FT
Gas chromatography-mass spectrometry	GC-MS
Gas liquid chromatography	GLC
Glutathione and its oxidized form	GSH and GSSG
Guanosine 3':5'-cyclic monophosphate	cGMP
Guanosine 5'-mono-, di-, and triphosphates	GMP, GDP, and
	GTP
Guanosine triphosphatase	GTPase
Hemoglobin	Hb
Heterogenous nuclear RNA High performance (pressure) liquid	hnRNA HPLC
chromatography	nflu
4-(2-Hydroxyethyl)-1-piperazineethane-	HEPES
sulfonic acid	HEI ES
Immunoglobulin	Ig (IgG, IgM, etc.)
Infrared	IR
Inorganic orthophosphate	Pi
Inorganic pyrophosphate	PPi
Inosine 5'-mono-, di-, and triphosphates	IMP, IDP, and ITP
Kilobases	kb
Kilobase pairs	kbp
Lethal dose, 50%	LD_{50}
Messenger RNA	mRNA
Nicotinamide adenine dinucleotide and	NAD ⁺ and NADH ²⁾
its reduced form	NADD ⁺ 1
Nicotinamide adenine dinucleotide	NADP $^+$ and
phosphate and its reduced form	NADPH ²⁾ NMR
Nuclear magnetic resonance	
Nuclear RNA Optical rotatory dispersion	nRNA ORD
Phosphoric acid residue	P- or -P
Pseudouridine and pseudouridine	ψ and ψ MP
mono-nucleotide	φ απα φινπ
Polyacrylamide gel electrophoresis	PAGE
Poly(adenylic acid), polyadenylate ³⁾	$Poly(A)^{3)}$
Polymerase chain reaction	PCR
Restriction fragment length polymorphism	RFLP
Ribonuclease	RNase
Ribonucleic acid	RNA

Ribosomal RNA rRNA Ribosylthymine 5'-mono-, di-, and TMP, TDP, and triphosphates TTP Sodium dodecyl sulfate SDS Thin layer chromatography TLC dTMP, dTDP, Thymidine (2'-deoxyribosylthymine) 5'-mono-, di-, and triphosphates and dTTP4) Transfer RNA tRNA Tris(hydroxymethyl)aminomethane Tris Ultraviolet UV UDP-glucose, etc. Uridine diphosphate glucose, etc. Uridine 5'-mono-, di-, and triphosphates UMP, UDP, and UTP (2) Amino acids Alanine Ala (A) Arginine Arg (R) Asparagine Asn (N) Aspartic acid Asp (D) Aspartic acid or asparagine (B) Asx Cysteine (C) Cys Glutamic acid Ghi (E) Glutamine Gln (Q) Glutamic acid or glutamine Glx (Z) Glycine Glv (G)Histidine His (H) Isoleucine Ile (I) Leucine Leu (L) Lysine Lys (K) Methionine Met (M) Phenylalanine Phe (F) Proline Pro (P) Serine Ser (S) Threonine Thr (T) Tryptophan Trp (W) Tyrosine Tyr (\mathbf{Y}) Valine Val (V) (3) Nucleic acids Adenosine Α BrUrd or B Bromouridine Cytidine С Dihvdrouridine D or hU Guanosine G Inosine T M or sI 6-Mercaptopurine ribonucleoside (6-thioinosine) 'a nucleoside Nuc or N Pseudouridine ψ or Q^a 'a purine nucleoside' Ŕ 'a pyrimidine nucleoside' Y Thiouridine S or sU Thymidine (2'-deoxyribosylthymine) dT Uridine U Xanthosine Х Phosphoric residue -*P* or p

¹⁾ The various isomers of adenosine monophosphate may be written 2'-AMP, 3'-AMP, or 5'-AMP (in case of possible ambiguity). A similar procedure may be applied to other nucleoside or deoxyribonucleoside monophosphates.

 $^{2)}$ NAD(P)⁺ and NAD(P)H indicate either NAD⁺ or NADP⁺ and either NADH or NADPH, respectively.

³⁾ Similarly abbreviate oligo- and polynucleotides composed of repeating sequences or of unknown sequence of given purine or pyrimidine bases, *e.g.* oligothymidylate, oligo(dT); alternating copolymer of A and U, poly(A-U); random copolymer of A and U, poly(A,U).

⁴⁾ The d prefix may be used to represent the corresponding deoxyribonucleoside phosphates, *e.g.* dADP.

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- 5. When naming your files, please use simple filenames and avoid special characters and spaces. If you are a Macintosh user, you must also type the three-letter extension at the end of the file name you choose (e.g. .doc, .rtf, .jpg, .gif, .tif, .ppt, .xls, .pdf, .eps).
- 6. The online submission software (ScholarOne Manuscripts) will automatically create a single PDF document containing your main text and reduced-resolution versions of any figures and tables you have submitted. This document will be used when your manuscript undergoes peer review. Your submitted files will appear in this PDF sequentially, as specified by you on the submission page, and you will have an opportunity to enter figure captions/legends and to check the PDF proof prior to final submission. Please make sure that you proof the converted pdf file so no material is missing, and there are no conversion errors.

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- Now that your files are ready, visit the online submission web-site. (http://mc.manuscriptcentral.com/ib).
- 2. First, you will need to log into the system. Note: Before you begin, you should be sure you are using an up-todate version of Netscape or Internet Explorer. If you have an earlier version, you can download a free upgrade using the icons found at the bottom of the 'Instructions and Forms' section of the online submission web site.
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- 2. Find the manuscript you wish to revise and click on the link 'create a revision' in the 'Actions' column. This will initiate a revisedsubmission process that prompts you to respond to the points made by the Editors and/or reviewers. Continue to follow the 7-step submission process, providing information when prompted.
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If you experience any problems during the online submission process, please consult the Author's User Guide which provides more detailed submission instructions, and 'movie tutorials' explaining how to submit your paper. Alternatively, please contact the Journal's Editorial Office who will be pleased to assist you.